

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 884.B92WO1	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2005/001528	International filing date (day/month/year) 12/01/2005	(Earliest) Priority Date (day/month/year) 12/01/2004
Applicant  INTEL CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

## 2.



**Certain claims were found unsearchable** (See Box II).

## 3.



**Unity of invention is lacking** (see Box III).

## 4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

CONVEYING ADDITIONAL SIGNALING INFORMATION IN AN OFDM-BASED WIRELESS LOCAL AREA NETWORK

## 5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 2



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



- b. none of the figures is to be published with the abstract.

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 H04L27/26 H04L5/02 H04L12/28 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	<p>EP 0 939 527 A (SONY INTERNATIONAL GMBH) 1 September 1999 (1999-09-01)</p> <p>abstract; figures 2,4 paragraph '0001! - paragraph '0012! paragraph '0029! paragraph '0035! - paragraph '0049! ----- -/-</p>	<p>1,15,21, 27,33,36 2-14, 16-20, 22-26, 28-32, 34,35, 37,38</p>

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

25 May 2005

Date of mailing of the international search report

02/06/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/95579 A (INTERFIL CORPORATION) 13 December 2001 (2001-12-13) abstract; figures 1-5,11 page 1, line 1 - line 26 page 2, line 23 - line 33 page 4, line 1 - line 29 page 5, line 30 - page 10, line 33 -----	1-38
A	"Supplement to IEEE standard for information technology - telecommunications and information exchange between systems - local and metropolitan area networks - specific requirements. Part 11: wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: high-speed physical layer in" IEEE STD 802.11A-1999, 30 December 1999 (1999-12-30), pages 1-90, XP002189725 figures 107,108,111 page 7 - page 15 -----	1-38
A	CHAR-DIR CHUNG ET AL: "Estimation of delay phase offset in multi-carrier differential phase modulation systems" COMMUNICATION TECHNOLOGY PROCEEDINGS, 2003. ICCT 2003. INTERNATIONAL CONFERENCE ON APRIL 9 - 11, 2003, PISCATAWAY, NJ, USA,IEEE, vol. 2, 9 April 2003 (2003-04-09), pages 1848-1851, XP010644323 ISBN: 7-5635-0686-1 abstract page 1848, right-hand column, line 15 - line 32 page 1849, right-hand column, line 1 - line 19 -----	1-38

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0939527	A	01-09-1999	EP 0939527 A1	01-09-1999
			US 6567374 B1	20-05-2003
WO 0195579	A	13-12-2001	AU 7504601 A	17-12-2001
			CN 1432245 A	23-07-2003
			EP 1290844 A2	12-03-2003
			JP 2003536324 T	02-12-2003
			TW 511357 B	21-11-2002
			WO 0195579 A2	13-12-2001

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